

# DVE Pan & Tilt

THALES

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## VENDOR DESCRIPTION

The DVE unit is a passive uncooled Thermal Imager (TI), operating in the far spectral band. DVE Pan & Tilt operations are controlled via serial link.

For surveillance applications, maximum panoramic vision is obtained while the DVE Pan & Tilt is roof-mounted.

- High-resolution uncooled focal plane array
- Fast optics (F# 0.8), resulting in a very sensitive system
- Large field of view (FOV)
- Compact and lightweight aluminum Pan & Tilt
- Ruggedized and weatherized Pan & Tilt design
- Sealed enclosure ensuring reliable operation in harsh environments



### Product Manager Robotic & Unmanned Sensors

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Business Category: Large Business

EOIR

Hardware	Infrared Sensor (IR)	Gimbal
Power: 27 watts typ., 48 watts max.	Type: Uncooled microbolometer Staring Array	Height: 0.77 ft    Weight: 6 kg
Weight: 6 kg	Resolution: 320 x 240	Angular Speed: 0 to 72°/s pan, 0 to 28°/s tilt
Dimensions: Height 235mm (Incl. mounting clamp) Dia. 245mm (Rotation clearance)	NETD: 50 mK	Azimuth Coverage: 0 to 440° (Slipping option - N360°)
Cooling: Ambient air	Angular Coverage: Horiz. 40° x Vert. 30°	Elevation Coverage: 0 to 240°
Operating Temp.: -40°C to 50°C	Cooling Method: Ambient air	
Storage Temp.: -46°C to 50°C	Modes of Operation: Instant operation	
Interface: RS-232		
Video Output: NTSC or PAL		
Vibration: 3 grms 5-1000 Hz, 3 Axis, Random		

Target Range DRI	Conditions	Detection	Recognition	Identification
NATO	Target contrast: 1.25C Target dimension: 2.3m x 2.3m Probability of detection: 50% Atmospheric transmission: 0.7 km-1	1 km	330 meters	170 meters
Group of 3 Men	Target contrast: 2C Target dimension: 1.8m x 2.3m Probability of detection: 50% Atmospheric transmission: 0.7 km-1	960 meters	290 meters	150 meters